

1 **ABSTRACT**

2 An architecture integrates spreadsheet functionality into tables commonly
3 used in word processing programs and HTML documents. The architecture
4 presents a table user interface (UI) that resembles a table when not being edited
5 and adds spreadsheet elements to the table when being edited. Underlying the
6 table UI, the architecture separates data handling functions from presentation
7 functions. The architecture includes a table appearance manager to manage how
8 the table appears in a document including such characteristics as table resizing,
9 selection, cut, copy, paste, split, merge, table formatting and so on. The
10 architecture also has a spreadsheet functionality manager to manage the
11 spreadsheet functions for the table, such as recalculation, formula handling,
12 sorting, referencing, and the like. The bifurcated architecture supports cross-table
13 referencing, reference editing, automatic universal recalculation throughout all
14 tables in the document, and nested table structures in which one table is nested
15 within a cell of another table.
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